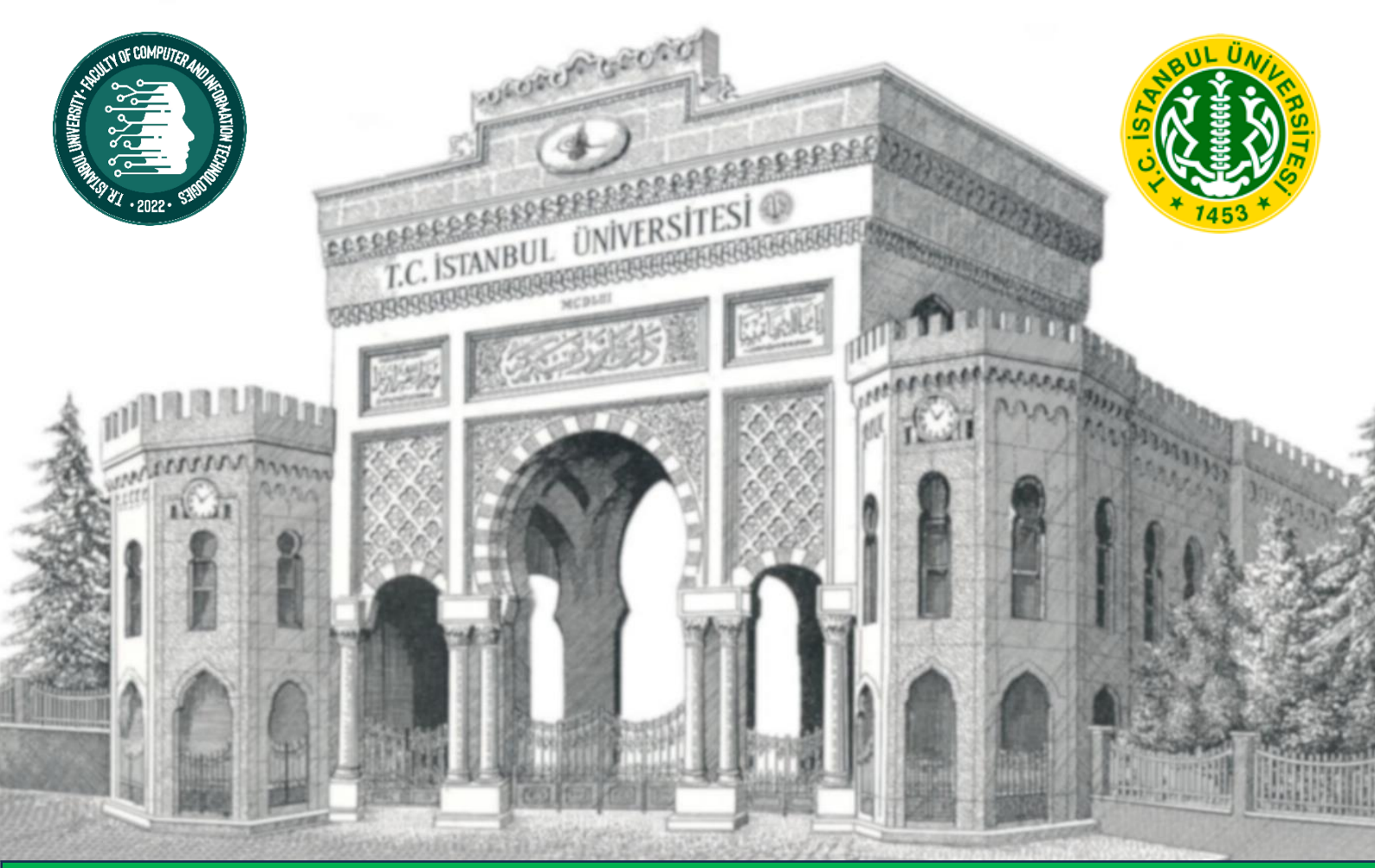


T.C. Istanbul University

Institute Of Graduate Studies In Sciences

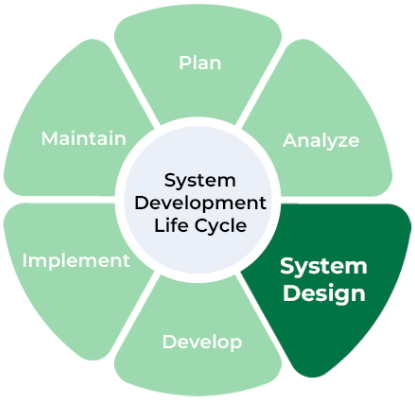
Computer Engineering Master's Program (with thesis)

In today's rapidly changing and evolving technological world, specializing in computer engineering is the key to taking your career to the next level. Our university addresses this need with the Master's Program with Thesis, designed to equip students with advanced knowledge and skills.

Program Objective:

The **Computer Engineering Master's Program with Thesis** aims to provide students with in-depth knowledge in computer science and engineering while also developing their research skills. The program is supported by both theoretical foundations and hands-on projects and research.





Curriculum:

The program introduces students to the latest technological advancements through a variety of courses and seminars. In addition, elective courses allow students to customize their learning experience based on personal interests.

Course Name	T	P	L	ECTS
Graph Algorithms	3	0	0	8
Advanced Data Mining	3	0	0	8
Computer Vision	3	0	0	8
Pattern Recognition	3	0	0	8
Machine Learning	3	0	0	8
Principles of Artificial Intelligence	3	0	0	8
Advanced Data Structures and Algorithms	3	0	0	8
Computer Network Design	3	0	0	8
Bioinformatics	3	0	0	8
Operating Systems and Network Security	3	0	0	8
Data Science	3	0	0	8
Deep Learning	3	0	0	8
Big Data and Database Management Systems	3	0	0	8
Internet of Things	3	0	0	8
Natural Language Processing	3	0	0	8
Heuristic Methods for Optimization	3	0	0	8
Robotics	3	0	0	8
Embedded Systems	3	0	0	8
Web Semantics	3	0	0	8

Research Opportunities:

The program encourages students to conduct independent research, contributing to the development of new technologies. Students have the opportunity to collaborate with expert faculty members to complete their graduate thesis. These research projects provide valuable experience in both academic and industrial settings.



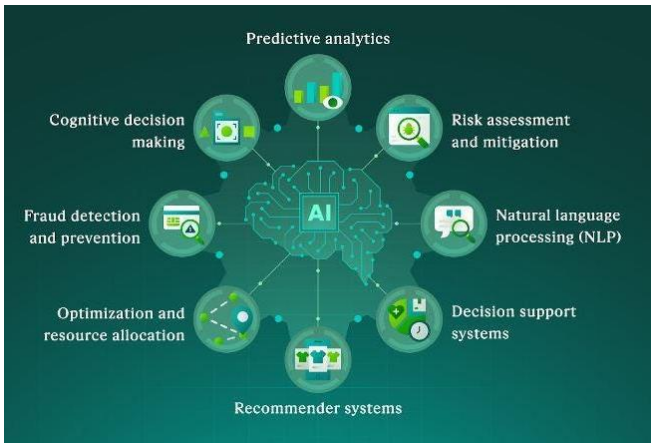


Career Opportunities:

Graduates of the **Computer Engineering Master's Program with Thesis** have a wide range of career opportunities, from technology companies to academic institutions. They can specialize as professionals in areas such as software development, data analysis, systems engineering, artificial intelligence applications, and research and development.

Academic Staff:

- **Prof. Dr. Şadi Evren Şeker**
- **Assoc. Prof. Dr. İsmail Önden**
- **Assoc. Prof. Dr. Fatma Önay Koçoğlu**
- **Assoc. Prof. Dr. Pınar Sarısaray Bölük**
- **Assist. Prof. Dr. Mehmet Ali Ertürk**
- **Assist. Prof. Dr. Abbas Memiş**
- **Assist. Prof. Dr. Ayşegül Tüysüz Erman**
- **Assist. Prof. Dr. Ezgi Zorarpacı**
- **Assist. Prof. Dr. Sezin Güleryüz Ergül**



Conclusion:

If you want to gain in-depth knowledge in computer engineering and shape the technologies of the future, our university's Master's Program with Thesis is perfect for you! For detailed information, please contact us through https://www.istanbul.edu.tr/en/ . Take your first step towards becoming a leader in technology!



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